

M 5.6, 26 km SSW of Mandrki, Greece

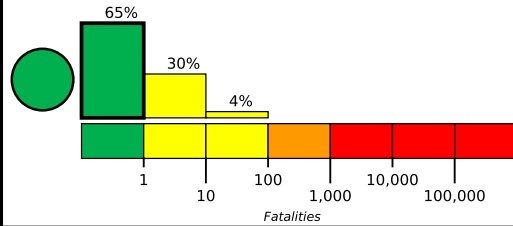
Origin Time: 2021-08-01 04:31:26 UTC (Sun 07:31:26 local)

Location: 36.3958° N 27.0112° E Depth: 10.1 km

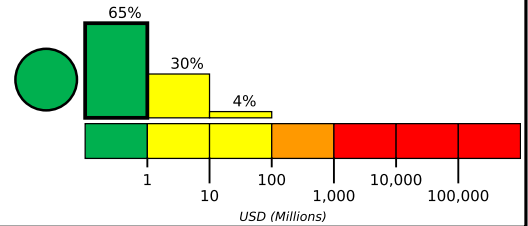
Created: 3 weeks, 3 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

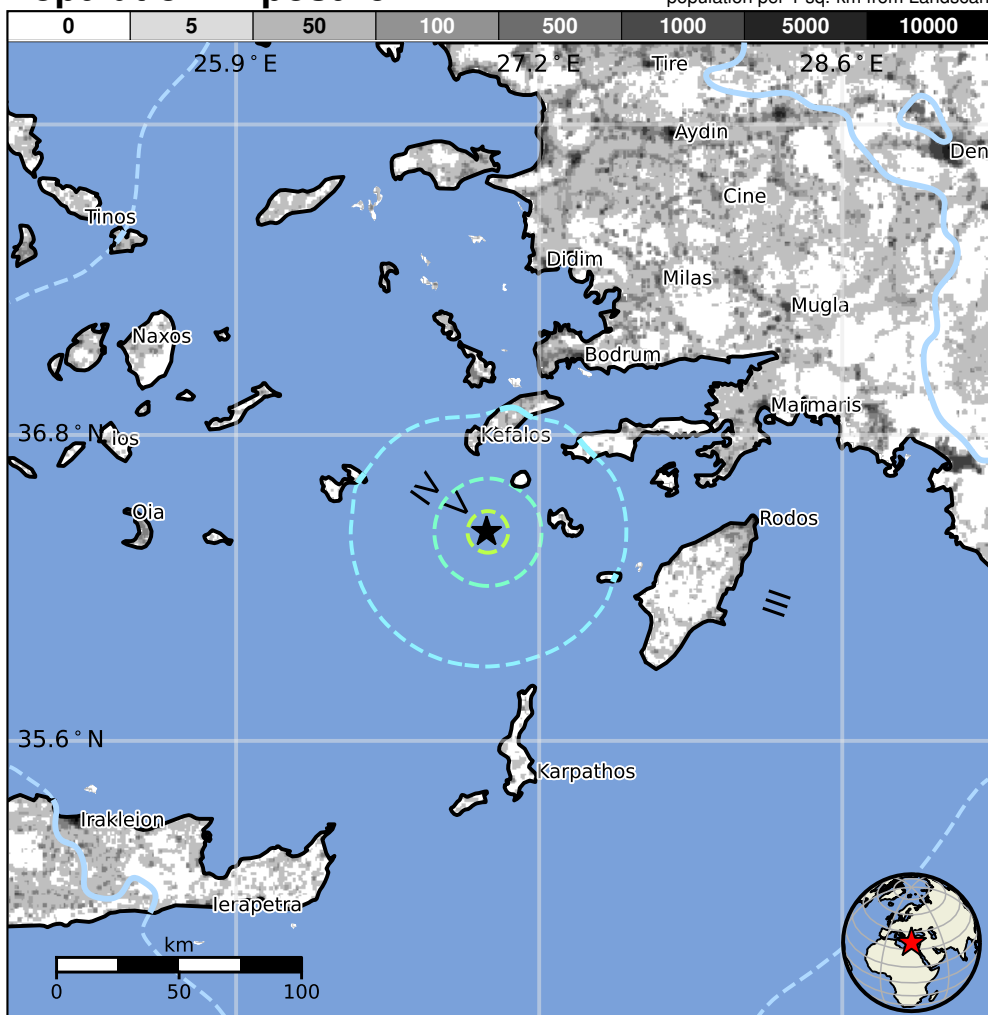


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 3,830k | 30k | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|--------|-------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1981-03-07 | 380 | 5.4 | VI(426k) | 1 |
| 2002-01-21 | 260 | 4.8 | VI(97k) | 1 |
| 1970-03-28 | 380 | 6.9 | IX(66k) | 1k |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|--------------|------------|
| IV | Mandraki | 1k |
| IV | Megalochorio | <1k |
| IV | Kefalos | 3k |
| IV | Antimacheia | 2k |
| IV | Kardamaina | 2k |
| IV | Chalki | <1k |
| III | Aydin | 163k |
| III | Mugla | 48k |
| III | Irakleion | 137k |
| II | Denizli | 313k |
| II | Ermoupolis | 11k |

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000f155#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000f155